**3GPP TSG-CT WG4 Meeting #96C4-200896**

**Sophia Antipolis, EU; 24th – 28th February 2020**

**Source: Ericsson**

**Title: Completion of ImsProfileData**

**Spec: 3GPP TS 29.562 v0.3.0**

**Agenda item: 6.1.14**

**Document for: Agreement**

**1. Introduction**

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**2. Reason for Change**

Complete the data model for ImsProfileData. This pCR has a dependency of C4-200574 and C4-200577 since it is reusing some of their data types.

**3. Conclusions**

-

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.562 v0.3.0.

\* \* \* First Change \* \* \* \*

##### 6.2.6.2.4 Type: ImsProfileData

Table 6.2.6.2.4-1: Definition of type ImsProfileData

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| supportedFeatures | SupportedFeatures | O | 0..1 | See clause 6.1.8 |
| imsServiceProfiles | Array(ImsServiceProfile) | M | 1..N | Ims service profile shared by several public identities when they belong to an IRS. |
| maxAllowedSimulReg | integer | O | 0..1 | Maximum number of allowed simultaneous registrations for the Public User Identity |

\* \* \* Next Change \* \* \* \*

##### 6.2.6.2.x Type: ImsServiceProfile

Table 6.2.6.2.x-1: Definition of type ImsServiceProfile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| publicIdentifierList | array(PublicIdentifier) | M | 1..N | List of public identities sharing the same service profile and its individual data |
| ifcs | Ifcs | O | 1 | List of IFCs and/or shared IFC set identifiers |

##### 6.2.6.2.x Type: PublicIdentifier

Table 6.2.6.2.x-1: Definition of type PublicIdentifier

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| publicIdentity | PublicIdentity | M | 1 | Public identity information |
| displayName | string | O | 1 | Name associated with the public identity |
| imsServicePriority | PriorityLevels | O | 1 | Multimedia service priority |
| serviceLevelTraceInfo | ServiceLevelTraceInformation | O | 1 | Service Level Tracing Information |
| barringIndicator | boolean | O | 1 | Indicates whether the identity is barred, i.e. it can not be used in any IMS communication except registrations, re-registrations and de-registrations.  true: identitiy is barred  false or absent: identity is not barred |
| wildcardedImpu | String | O | 1 | When identityType is wildcarded IMPU it contains the wildcard id as stored by HSS |

\* \* \* Next Change \* \* \* \*

## A.3 Nhss\_imsSDM API

openapi: 3.0.0

info:

version: '1.0.0.alpha-1'

title: 'Nhss\_imsSDM'

description: |

Nhss Subscriber Data Management Service for IMS.

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externalDocs:

description: 3GPP TS 29.562 Unified Data Management Services, version 0.3.0

url: 'http://www.3gpp.org/ftp/Specs/archive/29\_series/29.562/'

servers:

- url: '{apiRoot}/nhss-ims-sdm/v1'

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 4.4 of 3GPP TS 29.501.

security:

- oAuth2ClientCredentials:

- nhss-ims-sdm

- {}

paths:

/{imsUeId}/ims-data/profile-data/profile-data:

get:

summary: Retrieve the complete IMS profile for a given IMS public identity (and public identities in the same IRS)

operationId: GetProfileData

tags:

- IMS Profile Data Retrieval

parameters:

- name: imsUeId

in: path

description: IMS Identity. In this case it shall be an IMS public identity

required: true

schema:

$ref: '#/components/schemas/ImsUeId'

responses:

'200':

description: Expected response to a valid request

content:

application/json:

schema:

$ref: '#/components/schemas/ImsProfileData'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'405':

$ref: 'TS29571\_CommonData.yaml#/components/responses/405'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

'504':

$ref: 'TS29571\_CommonData.yaml#/components/responses/504'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

……….

components:

schemas:

# COMPLEX TYPES:

ImsProfileData:

type: object

required:

- imsServiceProfiles

properties:

imsServiceProfiles:

type: array

items:

$ref: '#/components/schemas/ImsServiceProfile'

supportedFeatures:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

maxAllowedSimulReg:

type: integer

ImsServiceProfile:

type: object

required:

- publicIdentifierList

properties:

publicIdentifierList:

type: array

items:

$ref: '#/components/schemas/PublicIdentifier'

ifcs:

$ref: '#/components/schemas/ifcs'

PublicIdentifier:

type: object

required:

- publicIdentity

properties:

publicIdentity:

$ref: '#/components/schemas/PublicIdentity'

displayName:

type: string

imsServicePriority:

$ref: '#/components/schemas/PriorityLevels’

serviceLevelTraceInfo:

$ref: '#/components/schemas/ServiceLevelTraceInformation’

barringIndicator:

type: boolean

wildcardedImpu:

type: string

\* \* \* End of Changes \* \* \* \*